ALCOM ELECTRONIC COMMUNICATIONS

THE IMPORTANCE OF TWO-WAY RADIOS FOR WORKPLACE SAFETY

MOTOTRBO™ DIGITAL EQUIPMENT PROVIDES A REAL-TIME PLATFORM FOR MISSION-CRITICAL SAFETY APPLICATIONS AND VOICE COMMUNICATIONS.

KEEP WORKERS SAFE, PRODUCTIVE AND IN TOUCH WITH MOTOROLA TWO-WAY RADIOS.

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RADIO

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CM300d MOBILE
RADIO

Workplace safety is of the utmost importance for any business, regardless of how many employees there are or how large the workplace is. **One of the greatest factors in promoting workplace safety is communication.** In order for employees and your management team to know how to stay safe at work, they need to know the rules of your business and any set by the government. But knowing the rules isn't the only thing that needs to be communicated. There are many other instances in which being able to communicate with one another at work can help you prevent safety issues from occurring, while avoiding injury or damage. In all of these instances, having 2-way radios can help you and your team communicate in a timely manner.

- **COMMUNICATE IN THE MOMENT (GROUPS OR INDIVIDUALS).** A typical work day can be filled with so much to do that it's hard to remember everything that happens. You might spot a minor issue you want to tell your supervisor about, but then you get sidetracked and it's forgotten. Instead of being burdened by writing copious notes or trying to remember, you can relay the information immediately with the use of a radio. Respond quickly to emergencies by instantly contacting large groups, or quarantine issues by calling individual radio users (private call feature – MotoTRBO digital radio)

- **GET BACKUP.** When in doubt, a second opinion regarding a safety matter can be important. If it's not possible to go find another person or not safe to leave your location, being able to get backup with the help of a communication device can help you resolve the issue more quickly.

- **PROVIDE SUPPORT.** Outfitting a newer employee with a way to communicate with you can help them avoid safety issues by providing them quick access to help and support. As the employee is able to reach out for assistance, it can promote the sharing of knowledge and information that help promote workplace safety.

- **REPORT DANGER.** There are times when a dangerous situation in the workplace prevents you or a worker from finding a supervisor or calling the police. Having a communication device on-hand allows you and your staff to report the sighting of a dangerous situation or person without having to put yourself in harm's way. No matter how safety-minded your company is, how secure your building is or how knowledgeable you are about workplace safety standards, accidents and incidents do happen. Being able to communicate with one another during these instances can help you protect your employees, your property and your business.

Once a safety issue occurs, you can only react or respond to it as the chance to prevent it has already passed. Providing employees with ways to communicate within the workplace helps all of you avoid mishaps and dangerous situations, which puts you in the position to be proactive, rather than reactive. It only takes one accident to learn the hard way, but that can be a costly and painful way to learn about the importance of maintaining safety in the work environment. Stick with a proactive approach by making sure communication is never a problem, especially when it comes to safety.

WHY DIGITAL TWO-WAY RADIO

WHY DIGITAL MIGRATION IS ESSENTIAL TO YOUR BUSINESS

Licensed, professional two-way radios have revolutionized communications for decades and continue to empower millions of people today. From schools to seaports, construction sites to convention halls, they are synonymous with reliability, durability and convenience.

Now professional radio is making a big leap forward — the move from analog to digital. Regulatory pressures and real-world needs are driving greater spectrum efficiency. Some legislators are even mandating that no new designs of two-way radios can be certified unless they have digital capability. This means that practically everyone in the future will use digital.

Digital radio offers many advantages over analog, including improved voice quality with greater coverage, better privacy, better battery life and more. That's why it's critical to consider digital migration now – so when you're ready to upgrade, you'll choose a system with the greatest benefits for the long term.
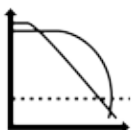
BETTER VOICE QUALITY
HEAR AND BE HEARD CLEARLY WITHOUT NOISE, STATIC OR DISTORTION
When you use a normal analog radio, every sound that's picked up by the microphone is transmitted. If there's a lot of background noise, it can be very difficult to understand you. Digital technology is purer. The software focuses purely on your voice, paying no attention to the machine clatter or the crowd noise around you. The result is exceptional voice clarity.

Radio interference creates static on an analog radio and makes the conversation less intelligible. Voice gets garbled and the message must be repeated. Because a digital radio has automatic error correction, it rebuilds voice sounds and maintains the clarity of the voice, even if a signal is badly corrupted. And since speech is digitally-encoded, you benefit from smarter capabilities, such as advanced software algorithms that can deliver clear voice in the most extreme conditions.

BETTER CAPACITY
GET DOUBLE THE CALLS FROM EVERY CHANNEL

When it comes to spectrum efficiency, nothing matches digital technology. Digital is so bandwidth-efficient, it can accommodate two completely separate "channels" in one 12.5 kHz channel. As well as making more efficient use of precious radio spectrum, this also minimizes your licensing costs, especially as your business grows. With digital, you can immediately double the capacity of your existing 12.5 kHz channel and enable many more people to communicate without worrying about privacy or interference.

BETTER AUDIO
YOUR VOICE STAYS STRONG AND CLEAR TO THE ENDS OF COVERAGE

While all radio signals grow fainter as they go further out, the voice quality on analog radios degrades much more quickly. At the far edge of coverage, even though signal strength is similar, digital voice will be clear and intelligible while analog voice will be garbled and masked by static.

Digital radios have built-in error correction to eliminate static and make sure voice calls are heard clearly over a greater range. There's no interference, background noise or distortion. Digital maintains voice integrity to the very ends of the coverage area.

BETTER BATTERY LIFE
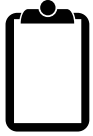**COMMUNICATE LONGER ON A SINGLE CHARGE**

Battery life is a big challenge for all mobile devices. But because digital technology is much more energy-efficient than analog, it reduces battery drain and improves talk time. Count on your battery to last up to 40% longer when you use a digital radio.

While both analog and digital radios consume about the same power in standby mode, once you start transmitting, digital radios are dramatically more efficient. This is critical for frequent and heavy users who depend on their radios to last the entire shift and can't stop to replace batteries or recharge radios.

When you choose Motorola, you choose generations of industry-leading quality, reliability and performance behind every radio. We have created two-way radios since the 1930s and continually innovate as the recognized leader in digital two-way radio technology. Our flexible portfolio of radios delivers the best of both worlds: great voice communications today and a path to even better digital voice communications when you're ready.

SAFETY SOLUTIONS WITH DIGITAL RADIO

Work order tickets for faster customer response

Integrated Bluetooth® for sharing data wirelessly and instantly between devices

Dispatch consoles for centralized communication

Email gateways to connect to email from your radio

Network monitoring to maximize system utilization

Man-down applications so radios call for help when workers can't

Telephony for communication between radios and landline or mobile phones

Text messaging for quick and discreet communication

SAFETY SOLUTIONS WITH DIGITAL RADIO

Enhance worker safety with lone worker, man-down emergency alarms and more through your digital radio system. These solutions integrate with location tracking solutions and can emit tones from the radio to allow the radio to call for help when a worker can't.
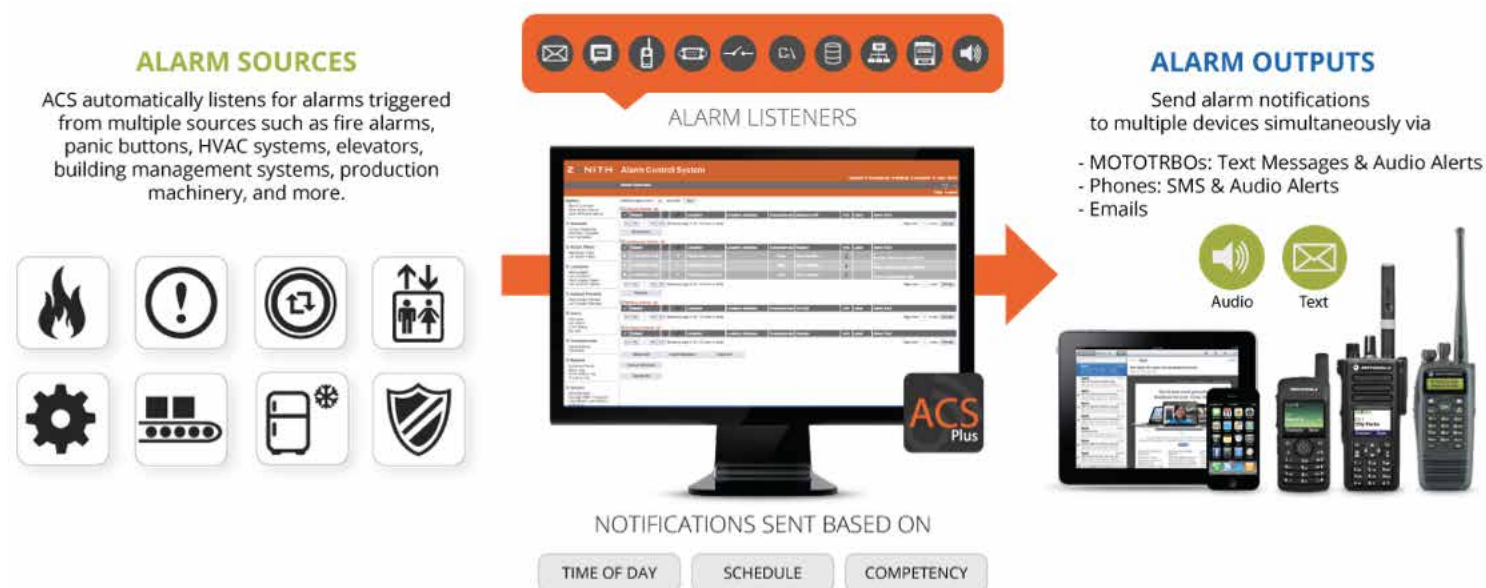
Teldio is a premier two-way radio applications developer and Alcom's choice for integrating with Motorola Solutions Digital MOTOTRBO™ radio networks.

- **ALARM CONTROL SYSTEM** – Expect a faster response when you link your facility's alarm to your two-way radio system, making your work environment vastly safer and efficient.

- **CENTRALIZED LONE WORKER** – The Loneworker feature requires the radio user to press their PTT button (on the side of the radio) at pre-determined intervals. If the worker does not check in at the expected time, an emergency procedure is set in motion.

- **MAN-DOWN** – The man-down feature automatically dispatches emergency alarms when lone workers are injured or fall unconscious. Your radios can initiate an alarm sequence when they sense an abnormal vertical tilt, or lack of motion for a pre-defined time.

- **RBX TELEPHONE INTERCONNECT** – An advanced telephone interconnect specifically designed to allow radio users to make and receive phone calls directly on their MOTOTRBO radios.

ACS Plus

REDEFINING AUTOMATIC ALARM MANAGEMENT AND NOTIFICATION

Alarm Control System (ACS) ensures that alarm management and notification is automatic, efficient and reliable. Day-to-day and business critical alarms are automatically dispatched to MOTOTRBO radios, mobile phones and/or email-enabled devices. ACS dispatches notifications to the right person based on the time of day and the competency necessary to respond to the task. The closed loop system ensures that all alarms are acknowledged, resolved and closed. ACS also enables rich reporting features to track: alarm notification, response actions and time to completion.

THIS IS HOW IT WORKS…

ALARM SOURCES

ACS automatically listens for alarms triggered from multiple sources such as fire alarms, panic buttons, HVAC systems, elevators, building management systems, production machinery, and more.

ALARM LISTENERS

ALARM OUTPUTS

Send alarm notifications to multiple devices simultaneously via

- MOTOTRBOs: Text Messages & Audio Alerts
- Phones: SMS & Audio Alerts
- Emails

Audio   Text

NOTIFICATIONS SENT BASED ON

TIME OF DAY   SCHEDULE   COMPETENCY

KEY FEATURES:

- The intelligent scheduler matches the scheduled worker competencies to those needed to respond to triggered alarms.
- The system prioritizes and queues alarms to optimize the use of available resources.
- ACS listens to alarms from multiple sources.
- ACS is always active, and provides automated coverage 24/7.
- Notifications can be simultaneously sent via:
    - MOTOTRBO's: Text Message & Audio Alert
    - Phones: SMS & Audio Alert
    - Email

AND HERE IS WHY IT SHOULD MATTER TO YOU…

1) ENHANCED WORKER SAFETY & SECURITY

By automatically sending alarm notifications to the appropriate individuals, ACS significantly reduces response times to events and emergencies. ACS reliably ties into employee safety solutions, including third party panic button solutions, and recognizes the notification sent from MOTOTRBO radios' panic button. ACS is also the backbone for two Teldio employee safety applications: Centralized Lone Worker (CLW) and Man Down Notifier (MDN).

Frequent Use Cases:
- MOTOTRBO panic button activation to Safety Officers
- Panic button notifications from campus classrooms to Security department
- CLW for periodic monitoring of remote mobile users
- MDN for continuous monitoring of employees in high-risk environments

SAFETY SOLUTIONS WITH DIGITAL RADIO

2) INCREASED PRODUCTIVITY & DECREASED RESPONSE TIME

ACS consolidates disparate alarm sources and manages the alarm notification process. By doing so, response times to alarms and urgent events are significantly reduced, which leads to an increase in workplace efficiency. Employees are no longer required to verify control panels when alarms are triggered. ACS automatically notifies the concerned individuals based on the time of day and competencies required to respond.

Frequent Use Cases
• Fire alarm notifications to Fire Marshal and Security department
• Factory machinery malfunction notifications to Engineering
• Security breach notifications to Security
• Afterhours call button in a hotel to Customer Service Representatives

3) BETTER ACCOUNTABILITY

ACS is a closed-loop system, meaning that alarms will never go unnoticed. Backup workers are assigned so that if the primary employee does not receive or acknowledge the alarm message, the alarm will be appropriately escalated to the next user until it is acknowledged and has been responded to.
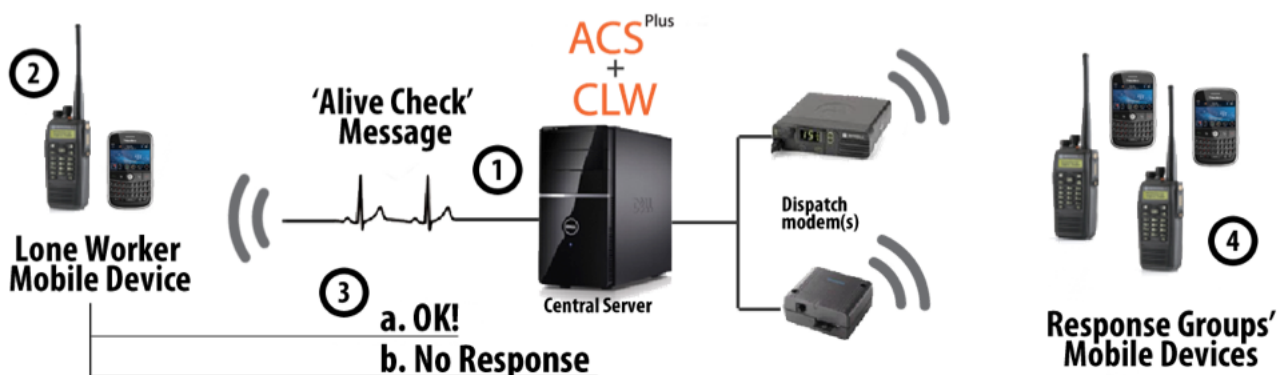
Frequent Use Cases
• Work ticket notifications to mobile users, and reporting on completion times
• Emergency alarm notifications escalated until resolved

CLW

CENTRALIZED LONE WORKER – ENHANCING WORKER SAFETY AND SECURITY

Centralized Lone Worker (CLW) monitors employees by systematically sending 'Alive Check' messages at frequent intervals to their mobile devices, i.e. their MOTOTRBO radios or mobile phones. If an individual cannot respond to an 'Alive Check' message, CLW triggers an alarm. Teldio's intelligent alarm notification system, ACS, receives this alarm notification stating that the lone worker is unresponsive, and automatically notifies the appropriate response group directly on their mobile devices via e-mail or text message. The 'Retry' feature allows for CLW to ping a lone worker more than once prior to notifying response groups of an emergency. The application can also send messages to multiple types of mobile devices simultaneously.

When ACS notifies individuals of an alarm, they must accept the alarm notification to acknowledge that it is being looked after. If the first individual in the response group misses or ignores the alarm notification, ACS redirects the alarm notification to the next appropriate worker. Never again will alarms go unnoticed. CLW ensures that workers are protected by monitoring their well-being though frequent 'Alive Check' messages. CLW can be configured differently for each lone worker to fit all needs.

THIS IS HOW IT WORKS…

KEY FEATURES:

- 'Alive check' messages can be sent as often as wanted to lone workers. They must respond within the allocated time frame.
- The 'Retry' option can be customized to allow for a certain number of retry 'Alive Check' messages prior to notifying the response groups.
- If the lone worker is unresponsive, alarm notifications are sent directly to response groups' mobile devices to alert them of the situation.
- The scheduler can be configured to activate CLW at certain times of day for individuals or large groups of lone workers.

CUSTOMIZED OPTIONS:
CLW can easily be customized to fit specific worker safety needs by configuring the application via the Web interface.

- Enter employee schedules to automatically activate the solution while employees complete scheduled hazardous tasks;
- Assign response groups by specifying which employee should be notified if a Lone Worker does not respond to 'Alive Check' messages;
- Define the time intervals in which employees receive 'Alive Check' messages;
- Specify the number of 'Retry' messages to unanswered 'Alive Check' messages are allowed before an alarm notification is sent to response groups.

CENTRALIZED LONE WORKER USE CASES & BENEFITS:

1) ENHANCED WORKER SAFETY
CLW is an intelligent lone worker safety application that periodically monitors the well-being of employees when they're completing risky or potentially hazardous jobs and tasks. With CLW's flexible activation and deactivation options, workers, supervisors and administrators are reassured that lone workers are never left to their own demise. Best of all, CLW is a cost-effective and robust solution to ensure that the appropriate response personnel is notified when lone workers fail to respond to their 'Alive Check' message. Individuals responsible to respond to these alarms are contacted on the device of their choice: cell phone, email or MOTOTRBO radio.

Frequent Use Cases:
- Workers repairing broken heavy machinery
- Security guards on patrol during the night shift
- Maintenance engineers completing their rounds in the facility

2) INCREASED SITUATIONAL AWARENESS
CLW is a powerful solution able to monitor lone workers using multiple devices. By pairing CLW with IPS, lone workers receive the additional assurance that their safeguard will be activated based on their location. This means that even if a lone worker has forgotten to activate CLW from his MOTOTRBO radio or mobile phone, Indoor Bluetooth Positioning registers the location of the employee within the building's perimeters and automatically activates CLW if the worker is located in a dangerous or hazardous area.

Frequent Use Cases:
- Construction workers completing jobs in hazardous sites
- Workers in lab completing tests with hazardous chemicals
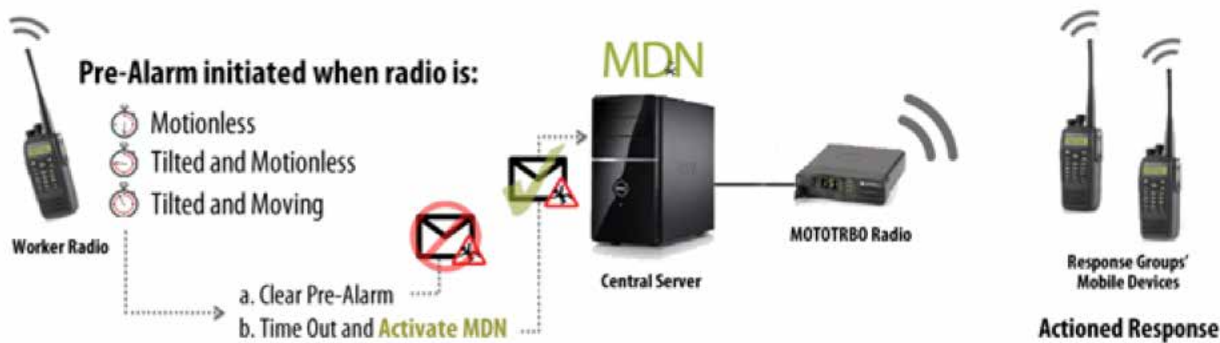- Campus security guards on patrol

SAFETY SOLUTIONS WITH DIGITAL RADIO

MDN

PROACTIVE MONITORING FOR INCREASED EMPLOYEE SAFETY

In a world where employers are under more and more scrutiny to provide robust safety systems for their employees, a solution is necessary to provide a proactive means of monitoring employees who work in dangerous environments and/or complete hazardous tasks.

Teldio's Man Down Notifier (MDN) is a cost-effective and potentially lifesaving way of detecting if a worker has had a fall or accident. The application is both reliable and robust, and integrates perfectly with Teldio's existing MOTOTRBO two-way radio application portfolio. By using the integrated accelerometer on the MOTOTRBO Expansion Board, MDN monitors workers by detecting a lack of movement, a horizontal tilt or both. MDN assures proactive surveillance of employee well-being and dispatches automatic emergency notification to the appropriate response individual or group when needed.

THIS IS HOW IT WORKS…

KEY FEATURES:

- Intelligent Man Down Detection Algorithms to spot when a worker is in danger or has suffered a fall.
- Man Down Alarm Audio Beacons help other employees locate the fallen employees.
- Man-Down Pre-Alarms allow users to cancel false alarms.
- Sleep Mode permits users to temporarily disable man-down detection.
- Configurable Motion, Tilt, Pre-Alarm and Sleep Mode Timers.
- Automatic emergency notification process with when Man-Down alarms are triggered.
- Different communication devices can simultaneously receive the Man-Down alarm notifications when paired with ACS.
- Server-based software enhances the robustness of the solution and prevents false alarms.
- Complementary operation alongside RBX +Plus on the same expansion card.
- Fully compatible with Teldio's application portfolio.

THE DIFFERENCE: INTELLIGENT FUNCTIONALITY

Teldio recognizes that not all job tasks are completed when standing upright. MDN parameters can best detect when an employee may have suffered a fall, or been victim of an incident on the work site.

The point of reference of the application (or its 0° mark) is renewed every time the radio is powered on to give the appropriate flexibility to the solution. The parameter timers can also be customized for each individual worker to allow administrators the ability to change the settings to fit worker needs. The administrator is also the only one able to disable the application. This ensures that workers needing MDN monitoring do not accidentally turn it off. To provide freedom of use to the worker, MDN can go into sleep mode. When activated, the application is disabled for a preconfigured lapse of time. The user is notified by an audible cue when the application is automatically reactivated.

SAFETY SOLUTIONS WITH DIGITAL RADIO

…AND HERE'S WHAT YOU GET OUT OF IT:

1) ENHANCED WORKER SAFETY.

Whether it be a guard on patrol alone at night, or a utility worker accomplishing a tricky repair, all workers need the assurance that their well-being is monitored in potentially dangerous situations.

MDN is an intelligent application that lets employees complete their jobs; it works non-intrusively in the background to ensure that your most precious assets are not left to their own peril.

2) INCREASED SITUATIONAL AWARENESS.

Workers in many industries often work out of sight and out of sound of collegues and superviors. By installing MDN on workers' radios, these remote employees are given an additional assurance that if something were to happen to them, others would be alerted. Once the MDN alarm has been fully activated, the loud audible beacon facilitates the quick recovery of the worker in an emergency situation.

3) MDN+ACS: PROACTIVE MONITORING AND AUTOMATIC NOTIFICATION

Teldio's Alarm Control System (ACS) is an intelligent alarm management and notification solution that provides organizations with the platform to automatically listen for alarm outputs, such as Teldio's MDN. This solution enables instantaneous notification to the right individuals of ongoing events, such as an emergency man-down situation, based on worker schedules, competencies and communication media. ACS is a closed loop system, meaning that alarms will never go unnoticed. Backup workers are assigned so that if the primary employee does not receive or acknowledge the alarm message, the alarm will be appropriately escalated to the next user until it is acknowledged and has been responded to.

CASE STUDY: UTILITIES

ELECTRICAL SUPPLY BOARD, IRELAND

SUCCESS OUTLINE

THE NEED.

Streamline communication and alarm notification processes by linking voice and alarm data communications across multiple sites to MOTOTRBO radios.

THE SOLUTION.

MOTOTRBO IP Site Connect links radio calls across both sites. The Teldio RBX +Plus links calls incoming from the PBX to MOTOTRBO radios. The Alarm Control System (ACS) monitors for alarms generated by the Honeywell Building Management System (BMS) and the ASCOM Man Down Pager system. Once the alarms are generated, ACS automatically notifies the appropriate response personnel depending on the time of day and type of alarm.
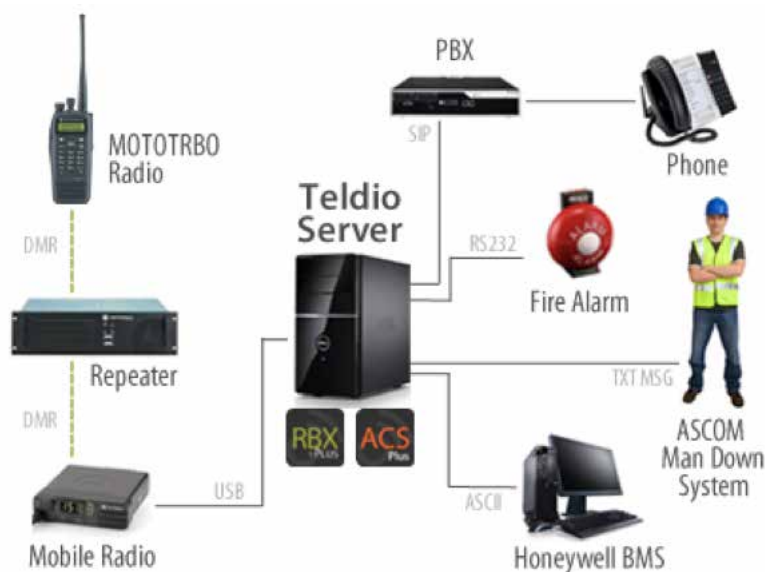
THE BENEFITS.

- All applications are housed on a single server and share hardware resources to reduce costs.
- A single platform provides interoperable voice and data, ensuring greater employee safety and security and significantly increasing productivity.
- Radios at multiple sites receive calls and alarms, ensuring that all responsible personnel are informed of ongoing operations.
- The customer reduces operational costs while gaining greater employee safety and efficiency.

THE SOLUTION COMBINES VOICE COMMUNICATION WITH ALARM HANDLING, ALL AVAILABLE SIMULTANEOUSLY ON A MOTOTRBO RADIO.

Teldio's applications enabled additional capabilities on ESB workers' MOTOTRBO radios:

- Receive and make private phone calls from their MOTOTRBO radios.
- Allow phone users to dial into the radio network and speak to workers on their radios.
- Receive alarm notifications from the Honeywell Building Management System directly on the MOTOTRBO radios.
- Receive alarm notifications from the ASCOM Man Down paging system.

TWO-WAY RADIO SELECTION GUIDE
FIND THE RIGHT RADIO FOR BUSINESS SAFETY

Versatile and powerful, to keep your staff connected.

Motorola's diverse array of portable and mobile two-way radios enable you to efficiently coordinate and communicate with your mobile workforce. Ideal for use by a variety of industries looking to remain competitive in today's market, Motorola radios deliver a high quality communication solution designed to help increase efficiency, productivity and worker safety while lowering operating costs.

MANUFACTURING
Make it easy for all staff, from line workers to maintenance to security, to collaborate as a single, unified work team while increasing productivity and worker safety.

TRANSPORTATION AND LOGISTICS
Deliver goods safely and efficiently while increasing customer service with accurate, real-time information.

CONSTRUCTION
To keep any construction project on track, you need timely coordination from management to foremen, subcontractors and individual tradespeople. Our wireless solutions make it easy to: help keep projects on schedule, avoid errors, meet deadlines and keep costs on budget.

HOSPITALITY
Communicate discreetly for seamless coordination of your entire service staff and enhanced customer service.

Motorola two-way radios – Transforming the enterprise, Empowering the individual.

Whether your workforce is comprised of employees primarily located on-site at your facility, mobile in vehicles or a combination of both, two-way radios enable your employees to stay connected. Portable radios are ideal for employees who work on-site; mobile radios are installed in vehicles and ideal for your on-the-go workforce.

Depending on the features and functionality needed for your business, Motorola's portable and mobile radios have both commercial and professional types.

COMMERCIAL RADIOS
A basic, easy-to-use communication solution that is ideal for elementary and high schools, hotels, restaurants, food service, construction and delivery operations.

- Simple, basic solution for work team communication
- Compact models
- Display and non-display models
- Limited or non-keypad models
- Repeater capability for increased coverage when needed

- Hands-free communication with voice activation
- Variety of audio and carrying accessories

PROFESSIONAL RADIOS
The ideal communication solution for larger organizations with more complex communication needs such as: manufacturing, warehousing, collegiate campuses, resorts, utilities and public service operations.

- The most robust solution
- Variety of scanning and signaling options
- High number of channels to organize large work groups
- Intrinsically safe models for use in hazardous work environments
- Data applications such as GPS location tracking and text messaging
- Option board capability to enable customized applications
- IMPRES™ audio and energy accessory solutions

Radio Selection
Portable and Mobile Radios

USER NEEDS

There are three basic factors you need to consider when selecting which radio is right for you.
1. Number of Users / Channels
2. Frequency Band
3. Features

NUMBER OF USERS / CHANNELS
The number of individual users as well as the number of talk groups you need to maintain determines the number of channels you will require in a radio. For example, if you want a certain department to maintain its own talk group, it would require a dedicated channel for that department. If two or more individuals need to maintain private communications, a dedicated channel would be required. It is not uncommon to have multiple channels within a department for special projects where more than one operation or event is occurring simultaneously. In addition, the use of digital technology increases the capacity of your system by dividing your existing channels into two time slots. This enables you to double the number of users on your system without the need for additional infrastructure equipment. Lastly, when making decisions regarding the number of channels you require, it is very important to keep future expansion in mind.

FREQUENCY BAND
For most general applications, there are 3 categories of frequency bands to consider:

- VHF (Very High Frequency) at 136-174 MHz
- UHF (Ultra High Frequency) at 403-512 MHz
- 800 / 900 MHz

All bands have advantages for specific applications. As a rule, the higher the frequency, the better the in-building penetration. However, as you increase in frequency, you will decrease in range. VHF frequencies (136-174) are better suited for outdoor applications where maximum range is required with little to no obstructions. UHF and the 800 /900 MHz frequencies are better suited for indoor applications or environments with obstructions. VHF and UHF frequency bands are typically used for conventional two-way radios systems, while 800 / 900 MHz frequency bands are commonly used for trunking two-way radio systems.

FEATURES

A wide variety of features are available to help increase the efficiency, productivity and safety of your workforce. Efficiency/productivity features include integrated data applications that increase a radio's capability beyond voice communication, and telephone interconnect, which enables radios to talk with a telephone PBX system. Safety features include emergency notification for use during urgent situations and intrinsically safe certifications for hazardous work environments.

TWO-WAY RADIO FEATURES

INTRINSICALLY SAFE
Intrinsically Safe is a designation that affirms a portable radio, with an attached certified battery, is safe for use in locations where flammable gas, vapors or combustible dust may be present according to the Division, Class and Group for which it has been approved.

TELEPHONE INTERCONNECT
Telephone Interconnect is a feature that enables a radio system to be connected to a telephone PBX system, which allows radios to make phone calls using the radio keypad.

TECHNOLOGY
Two-way radios have traditionally used analog technology. Digital technology is the next generation of two-way radio and offers several advantages over analog, including clearer audio, integrated data applications, 40% longer battery life and increased capacity.

TEXT MESSAGING / GPS
Using digital technology, Text Messaging communicates between radios, radios and dispatch systems, and radios to any email-capable device. Also using digital technology, GPS enables location tracking of vehicles and personnel in outdoor environments.

THIRD PARTY DATA APPLICATIONS
Third Party Data Applications expand the functionality of digital radios by enabling customized applications to be built for your unique business needs, including Loneworker solutions, alarm control management, mandown systems, work order ticket management and much more.

TRUNKING
Trunking is a radio system configuration that uses a control channel to efficiently organize the radios and conversations on your radio system. This enables a large number of radio users to operate on the same system.

PANIC BUTTON
If during their duties employees finds themselves in an emergency situation; they can immediately press their Panic Button. Easily identifiable on their two-way radio, this allows them to quickly call for help. The Panic Button automatically dispatches a text message or tone to the person or team responsible for their security. Text message alarms can be picked up by monitoring stations, security guard radios, mobile phones, pagers and even email accounts.

NOISE CANCELLATION
Reduce the effect of background crowd and machinery noise so your messages are always heard clearly.

DTMF SIGNALING

Dual-Tone Multi-Frequency (DTMF) Signaling enables radio users to use the radio keypad to control another device that is pre-programmed to recognize the tones as commands. This feature is commonly used to open/close gates, turn off/on sprinkling systems or place a phone call using the telephone interconnect feature.

MDC 1200 SIGNALING

MDC 1200 Signaling uses low speed data packet transmissions that grant radio users access to a number of enhanced features such as unit ID, selective inhibit, radio check and selective calling.

ENHANCED / BASIC PRIVACY

Enhanced / Basic Privacy is a technology that allows a transmitting radio to send out a scrambled audio signal and a receiving radio to unscramble that signal. This helps to prevent unauthorized users from listening to sensitive communications.

IMPRES™

IMPRES is a state-of-the-art, Motorola-exclusive technology that enables communication between the radio and accessory, resulting in the prolonged life of your batteries, longer talk time and clearer audio delivery.

PEACE OF MIND COMES STANDARD WITH EVERY MOTOROLA RADIO.

There's a reason why Motorola two-way radios are built to last. Motorola's rugged and reliable radios undergo rigorous testing in the design process. Motorola uses U.S. Military Standards and Accelerated Life Testing, so you can be assured Motorola radios will hold up under demanding conditions.

ISO 9001

International quality assurance system for design, development, production, installation and servicing of a product.

ACCELERATED LIFE TESTING (ALT)

Simulates five years of extreme hard use. Conducted by Motorola during early product development to improve quality, design and product life.

U.S. MILITARY SPECS 810

Environmental testing specifications for equipment performance and survivability in harsh conditions. As many as 11 unique tests are covered, including low pressure, high / low temp, shock, solar radiation, rain, humidity, dust and vibration.

	PR400	HT750	XPR 3300	XPR 3500	XPR 6350 XPR 6380	XPR 6550 XPR 6580	XPR 7350	XPR 7550	SL 7500
Number of Channels	16, 32 or 64	4 or 16	16	128	32	1000	32	1000	1000
Band Availability	VHF, UHF	VHF, UHF	VHF, UHF	VHF, UHF	VHF, UHF 800/900 MHz	VHF, UHF 800/900 MHz	VHF, UHF	VHF, UHF	VHF, UHF
Trunking Capable	●				Optional	Optional	Optional	Optional	
Intrinsically Safe	●	●			Optional	Optional	Optional	Optional	
Telephone Interconnect	●	●					●	●	●
Emergency Call		●			●	●	●	●	●
Enhanced Privacy			Upgradeable	Upgradeable	●	●	●	●	●
Basic Privacy			Upgradeable	Upgradeable	●	●	●	●	●
Digital or Analog Technology	Analog	Analog	Digital or Analog	Digital or Analog	Digital or Analog	Digital or Analog	Digital or Analog	Digital or Analog	Digital
Text Messaging / GPS					●	●	●	●	●
Integrated Bluetooth®					Optional	Optional	●	●	●
Third Party Data Applications					●	●	●	●	●
Email Gateways							●	●	●
Quik-Call II™ II Signaling	●	●			●	●	●	●	●
DTMF Signaling	●	●			●	●	●	●	●
MDC 1200 Signaling	●	●			●	●	●	●	●
IMPRES™ Audio Accessories			●	●	●	●	●	●	●
IMPRES™ Batteries & Chargers		●	●	●	●	●	●	●	●

MOBILE RADIO SELECTION GUIDE

	CDM750	CDM1250	XPR 2500	XPR 4350 XPR 4380	XPR 4550 XPR 4580	XPR 5350	XPR 5550
Number of Channels	4	64	16	32	1000	32	1000
Band Availability	VHF, UHF Low Band	VHF, UHF Low Band	VHF, UHF	VHF, UHF 800/900 MHz	VHF, UHF 800/900 MHz	VHF, UHF	VHF, UHF
Trunking Capable				●	●	Optional	Optional
Telephone Interconnect	●	●				●	●
Emergency Call		●		●	●	●	●
Enhanced / Basic Privacy				●	●	●	●
Digital or Analog Technology	Analog	Analog	Digital or Analog	Digital or Analog	Digital or Analog	Digital or Analog	Digital or Analog
Text Messaging / GPS				●	●	●	●
Embedded Bluetooth® Audio						●	●
Third Party Data Applications				●	●	●	●
Quik-Call II™ Signaling		●	●	●	●	●	●
DTMF Signaling	●	●		●	●	●	●
MDC 1200 Signaling	●	●	●	●	●	●	●
Illuminated Display	Non-Display	14 Character		Numeric	Alphanumeric	Alphanumeric	5 line Alphanumeric
IMPRES™ Audio Accessories				●	●	●	●
Keypad Microphone	●	●		●	●	●	●

*MOTO**TRBO**™*
DIGITAL REMASTERED.

MOTOTRBO™

REMASTER YOUR WORKFORCE WITH THE RIGHT SOLUTION
From the front desk to the factory dock, moving across campus or around the country, MOTOTRBO radios are connecting more people effortlessly and efficiently wherever they work. Information is instantaneous. Decision-making becomes easier. Safety gets stronger. Productivity increases. Service improves and customers are more satisfied.

Whether you want ultra-thin portables or extra-tough mobiles, integrated Bluetooth or industry-leading data applications, we have the right radio that fits your needs today and evolves with new features to address your requirements tomorrow. Our radios are trusted by more than 1 million users and designed with a robust mix of features to increase workforce efficiency, productivity and safety.

MOTOTRBO is re-mastering digital two-way communications – and redefining what customers expect from a radio solution. With the MOTOTRBO portfolio of portable and mobile radios, repeaters, data applications, accessories, software and services, you can put the right device into the hands of the right user. From the supervisor of a production line, to the facilities manager in a crowded stadium, to the technician repairing power lines, MOTOTRBO radios make workers more efficient and productive.

KEEP THEM ALL CONNECTED
Give your employees the information they need to be more efficient with the remarkable convenience of one device. Experience clear and reliable voice communication with background noise suppression, the flexibility of group or private calls, quick access to contacts with keypad shortcuts and communication with landline or mobile phone users via digital telephone interconnect. MOTOTRBO also supports data – including text messaging, GPS location tracking capability, dispatch and custom applications from Motorola's Application Developer Program such as work order ticket solutions, email gateways, man-down, network monitoring and more.

PUT THE POSSIBILITIES OF DIGITAL DATA TO WORK

GET VOICE AND DATA IN ONE DEVICE
MOTOTRBO™ supports both voice and data – including text messaging, GPS location tracking capability, and custom applications from Motorola's Application Developer Program such as telephony, dispatch, work order ticket solutions, email gateways, network monitoring, man-down and much more. So you can keep employees connected to the information they need to be more efficient, with the remarkable convenience of one device.

TRACK VEHICLES AND PEOPLE WITH INTEGRATED GPS
MOTOTRBO radios have an integrated GPS module so you can track vehicles and people. Unlike other GPS-capable radios, the MOTOTRBO module is integrated into the handset so there's no clumsy equipment to attach, carry or maintain.

SHARE INFORMATION QUICKLY, DISCREETLY, SAFELY

Perched on a utility pole repairing a line. Managing inventory in a manufacturing plant. Assisting guests at the front desk. How do you get information to your mobile employees conveniently, discreetly and safely? Extend your desktop applications without added infrastructure or cost? In today's fast-paced environment, technology can give you a decisive edge. And text messaging can improve the speed, safety and responsiveness of your workforce, no matter where they go.

How do you reach your employees rapidly with accurate, real-time information? No matter if they're moving across a campus or around a city. How do you accelerate their productivity while you improve their safety? So you can close the gap between people and information – and the time and effort they spend trying to obtain it or verify it to do their job well.

From the fleet or factory, bucket truck or basement, text messaging is the perfect way to communicate when voice communication would be disruptive or messages don't need an immediate response. Text messaging lets employees communicate whenever discretion and safety is required – be it a concierge in a bustling hotel lobby or a security team at a corporate event.

With MOTOTRBO, you can create a versatile, two-way radio solution with voice and text messaging to provide information to your employees anywhere and anytime – without additional devices to install and maintain. Empower your employees with the information they need to enhance their productivity and safety by using text messaging between radios, radios and dispatch systems and radios to any email-capable device.

NOTIFY YOUR PEOPLE, WHEREVER THEY GO

In manufacturing, you depend on access to real-time information to keep the plant running smoothly. With text messaging, your workers don't need to head to their computers to check on the status of inventory or an incoming shipment. Instantaneous text messaging saves time and helps them be more productive.

If you're an administrator at a university, you need to communicate quickly. Whether notifying maintenance of an urgent building repair or updating the athletic department on the arrival of a visiting team, text messaging lets you share information – easily, discreetly, conveniently – across campus.

The MOTOTRBO XPR™ 5550 mobile, XPR 7550 portable and SL 7550 portable models offer advanced predictive text features to make text messaging faster than ever. Users can conveniently switch between various text input modes at any time, allowing flexibility for users to enter text with ease.

SEND MESSAGES DISCREETLY

If you're running a resort or hotel, you know how vital discretionary communication is to your customers' experience. With text messaging, your employees can communicate information to one another without disturbing the serene and professional atmosphere of your property.

You can use text messaging at the front desk to confirm with housekeeping that a customer's room is ready. Send a message to maintenance when an issue arises, like a broken air conditioning unit in a guest room. Or coordinate with the golf course to schedule a tee time for a guest.

END DISRUPTIONS AND INTERRUPTIONS

With text messaging, you can quickly and safely communicate with employees on the road. Whether it's to schedule an unexpected pickup or notify them of heavy traffic, you can share information with your drivers without distracting them with voice conversation. They can read directions or information at a later time and place rather than disrupting their routes and workflow.

STOP DISTRACTIONS SO THEY STAY SAFER

When your work crews are high up, repairing stoplights or restoring power after a storm, or down below, fixing a water main break, you can text work orders or directions to the next location of a repair site. Instead of interrupting them with a voice conversation during a critical task, they can read it later when it's safe.

STRENGTHEN YOUR BUSINESS WITH A SMARTER BUSINESS TOOL

MIGRATE AT YOUR OWN PACE

Keeping operations running smoothly during a change in communication systems is vital to your business. It's easy to migrate to digital with MOTOTRBO because radios operate in analog and digital mode. You can use MOTOTRBO radios in analog mode with your existing analog system and begin migrating work teams over to digital mode – one talk group or department at a time – while still maintaining communication across your entire workforce.

MOTOTRBO

MOTOTRBO SYSTEMS
**REACH EVERYONE,
EVERYWHERE WITH MOTOTRBO SYSTEMS**
MOTOTRBO is a scalable two-way radio system solution that can be tailored to meet the unique communication needs of your business. From basic push-to-talk to IP telephony with data to comprehensive voice and data, you have the freedom to select a specialized device for each employee without sacrificing seamless reliability.

CONVENTIONAL (ANALOG AND DIGITAL)
Advantages of Digital Two-Way Radio

Benefit from the best of two-way radio with digital technology and enjoy integrated voice and data communication, increased capacity, enhanced features, exceptional voice quality and extended battery performance.

CONNECT PLUS
Reach Everyone, Everywhere They Go
Connect Plus multi-site digital trunking is a two-way radio system that enables you to accommodate the high volume, wide-area communication your business requires. Whether you need coverage at a single site or across multiple sites, it can be scaled to meet your communication needs.

Your work teams can not only talk to one another or the main facility, they can also use data applications to make their jobs more efficient and safe, including text messaging, location tracking and dispatch capability. All the while, you gain the added benefits of TDMA digital technology like increased capacity and clear audio. With enhanced communication between employees, you'll see increased productivity and efficiency across your enterprise organization.

CAPACITY PLUS
Keep In Touch with More Workers, More Easily
As a scalable, single-site digital trunking solution, Capacity Plus expands the capacity of your MOTOTRBO communication system even further. Over a thousand radio users can quickly and efficiently share business-critical voice and data communication on the same system without having to add new frequencies.

LINKED CAPACITY PLUS
Get All the Basics to Link Your Workforce Together Better
If you need to communicate to a large field force across a wide area with a scalable, easy-to-use system, then Linked Capacity Plus is your cost-effective solution. Leveraging advanced repeater software, it is available in both single-site and wide-area configurations. Whether crews need to talk to each other in the field or back at the office or they need to use data applications such as text messaging, location tracking or work order tickets, Linked Capacity Plus makes their work safer and their work day more productive.

IP SITE CONNECT
Reach any Worker, Anywhere In the World
The IP Site Connect digital solution uses the Internet to extend the coverage of your MOTOTRBO communication system no matter where you're located. You can communicate easily among geographically dispersed locations across the city, state or country.

You can create wide-area coverage and automatically roam from one coverage area to another with no manual intervention. Or you can enhance coverage at a single site like a high-rise building that contains physical barriers. IP Site Connect enables you to extend the voice and data communication capability of your workforce beyond the levels two-way radio has achieved before. This means dramatically improved customer service and increased productivity.

SMARTNET® MIGRATION
For decades you have relied on Motorola SMARTNET analog two-way radio systems to improve productivity, enhance safety and provide dependable communications for your business operations.

However, some of the earliest SMARTNET systems are approaching their end of life.

Now is the time to prepare for the future with new choices in digital communication solutions, and it is critical that you begin to budget and plan for this migration. Motorola offers a digital solution for updating your legacy communication system – MOTOTRBO™.

LTR® / PASSPORT®
The LTR / PassPort application from Scholer-Johnson utilizes the built-in Expansion Card, allowing current analog LTR and PassPort users to purchase MOTOTRBO radios and continue to use analog trunking protocols today. When users are ready, they can then utilize the same MOTOTRBO radio unit to migrate to MOTOTRBO Time Division Multiple Access (TDMA) digital trunking.

MOTOTRBO DATA APPLICATIONS

BE IN-TOUCH AND UP-TO-THE-MINUTE WITH MOTOTRBO APPLICATIONS
Take your business beyond voice and ensure all your people stay connected with the speed and efficiency of data. Whether sending a text message to crews doing road repairs or using the integrated GPS module to manage your fleet, MOTOTRBO makes response time more immediate, customer service more effective and your operation more productive.

With the industry's largest Application Developer Program, MOTOTRBO offers a wide range of data applications to expand communication beyond voice. Plus, you can work directly with third-party developers or your IT staff to create customized applications for your unique needs.

PUT OUR APPLICATIONS TO WORK

ENHANCE SAFETY AND ACCOUNTABILITY
GPS location tracking allows efficient tracking of workers, vehicles and business assets to enhance safety and productivity.

ACCELERATE RESPONSE TIME
Work order ticket management solutions help expedite resolution of customer issues, enhance the efficiency of personnel responding to issues and generate reports to create efficient work flows.

STAY IN CONTROL
Conveniently monitor machine or facility alarms, and remotely control doors with advanced telemetry solutions.

MOBILIZE YOUR TEAMS
Effectively manage fleet operations and extend access to radio functions via an IP connection from remote locations.

STAY CONNECTED
Send and receive text messages and emails directly from your MOTOTRBO radio. Enhance worker safety and productivity by integrating with phone systems to make phone calls in places where mobile phone coverage is not available.

CONNECT WITH OTHER DEVICES
Interoperate seamlessly with technologies such as other radio systems, telephony systems and mobile computing devices.

MOTOTRBO PORTABLE RADIOS

DO MORE, MORE SAFELY WITH MOTOTRBO PORTABLES

COMMERCIAL
VOICE

CP200d™ | YOU'RE SIMPLY MORE EFFICIENT

The rugged MOTOTRBO CP200d™ radio offers all the benefits of the latest technology – up to 40% longer battery life, twice the capacity, greater coverage and superior audio. This affordable portable is compatible with the MOTOTRBO features you'll find are business-essential, for example a transmission can be interrupted to prioritize critical communications. It's easy to transition your business to digital technology. The CP200d delivers the same easy-to-use features, form factor and durability as the CP200 portable as well as the same batteries and chargers you use today. It can operate in digital and analog modes concurrently so it fits seamlessly into your existing communication system, allowing you to migrate to digital at your own pace.

Systems Supported: Analog Conventional, Digital Conventional (Digital models).
Features: Operates on 16 channels · Large, Textured Push-to-Talk Button easy to find and use, even when wearing gloves · LED battery indicator · Analog Features: (Internal VOX, Single Priority Scan, MDC1200 PTT ID, Quik Call II), Digital Features: (Basic Privacy, Radio Check, Dual Priority Scan, Transmit Interrupt)
Specifications: Frequency Range: VHF (136 -174MHz) or UHF (403 -470MHz) · Power: 1/4 Watts (UHF) 1 / 5 Watts (VHF) · 14.5 Hour Battery Life (based on 5/5/90 duty cycle) · Voice operated transmit (VOX) · Dimensions H x W x L (with standard battery) - 5" x 2.4" x 1.8" · Weight (with standard battery) - 14.98 oz. · Mil Spec – 810 C, D, E, F · Warranty: 2 Years

ENTRY PROFESSIONAL
VOICE | BASIC SYSTEMS

XPR™ 3300 | DIGITAL, NOW WITHIN REACH

Keep students safe and employees connected with portable radios that feature best-in-class audio and analog interoperability.

The XPR 3300 offers best-in-class audio in a scalable solution that allows users to migrate at their own pace. Intelligent Audio and voice announcement features enable easy communication in difficult work environments. With analog/digital interoperability and the ability to expand features with a simple software upgrade, you can make the transition to digital at your own pace and budget. Available in UHF and VHF frequency bands, the XPR 3300 is a non-display model that features 16-channel capacity, three programmable buttons and IP55 specifications for water protection.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus.
Features: Capable of 16 channels · 6.25/12.5/25 kHz Switchable Channel Spacing · Voice operated transmit (VOX) · Scan types: Normal, Priority, Dual priority, Nuisance channel delete, Talk group, All group, System, Home revert · MDC (Encode/Decode), Quik-Call II (Encode/Decode), DTMF Encode **Specifications:** Frequency Range: VHF (136 - 174 MHz), UHF (403 - 512 MHz) · Power: 5 Watts (VHF) / 4 Watts (UHF) · Dimensions H x W x D – 4.80" x 2.20" x 1.43" · Weight – 9.3 oz. · IP55 for water protection and U.S. Military 810 C, D, E, F and G · Standard Warranty: 2 Years

XPR™ 3500 | DIGITAL, NOW WITHIN REACH

Reporting an emergency on school grounds or monitoring supply needs on a manufacturing line, how do you keep students safe and employees connected? MOTOTRBO XPR 3500 Series radios can help by putting the power of digital communications within reach.

The XPR 3500 offers best-in-class audio in a scalable solution that allows users to migrate at their own pace. Intelligent Audio and voice announcement features enable easy communication in difficult work environments. With analog/digital interoperability and the ability to expand features with a simple software upgrade, you can make the transition to digital at your own pace and budget. Available in UHF and VHF frequency bands, the XPR 3500 features a 2-line display and limited keypad for easy menu navigation with 128-channel capacity, three programmable buttons and IP55 specifications for water protection.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus.
Features: Capable of 128 channels · 2 – Line Display · Limited Keypad · 6.25/12.5/25 kHz Switchable Channel Spacing · Voice operated transmit (VOX) · Scan types: Normal, Priority, Dual Priority · MDC (Encode/Decode), Quik-Call II (Encode/Decode), DTMF Encode **Specifications:** Frequency Range: VHF (136 - 174 MHz), UHF (403 - 512 MHz) · Power: 5 Watts (VHF) / 4 Watts (UHF) · Dimensions H x W x D – 4.80" x 2.20" x 1.43" · Weight – 9.3 oz. · IP55 for water protection and U.S. Military 810 C, D, E, F and G · Standard Warranty: 2 Years

PROFESSIONAL CORE
VOICE | SYSTEMS | DATA | BASIC APPS

XPR™ 6100 | YOU'RE EMPOWERED WITH DIGITAL

The MOTOTRBO XPR 6100 is Motorola's entry level offering in the MOTOTRBO platform.

Make technology more productive and personal. You asked for a forward-thinking way to connect your people to their work, wherever they go. An innovative business tool that increases their efficiency while lowering your costs. Versatile and powerful, MOTOTRBO combines the best of two-way radio functionality with the latest digital technology. With increased capacity, exceptional voice quality and long battery life, MOTOTRBO keeps your work teams connected when communication is a must.

The MOTOTRBO XPR 6100 meets the most demanding specs, including U.S. Military 810 D & E as well as Motorola standards for durability and reliability.

Systems Supported: Analog Conventional and Digital Conventional.
Features: Capable of 32 channels · 12.5/25 kHz Switchable Channel Spacing **Specifications:** Frequency Range: VHF (136-174 MHz) UHF Range 1 (403-470 MHz); UHF Range 2 (450 - 512 MHz) · Power: VHF (1-5 Watts) UHF (1-4 Watts) · 9 – 13 Hour Battery Life (based on 5/5/90 duty cycle with standard Li-Ion 1500 mAh battery) · Mil Spec 810 D & E · Dimensions H x W x L (with standard battery) - 3.74" x 2.50" x 1.39" · Weight (with standard battery) – 11.3 oz. · Standard Warranty: 2 Years

XPR™ 6350 / XPR 6380 | YOU'RE EMPOWERED WITH DIGITAL

Combining the best of two-way radio with digital technology, the MOTOTRBO XPR 6350/6380 digital portable radio delivers increased capacity, exceptional voice quality, extended battery performance and integrated data communication via the industry's largest third-party application developer program. MOTOTRBO is built to the globally recognized ETSI DMR Tier 2 standard.

Available in VHF, UHF and 800 / 900 MHz frequency bands, the XPR 6350/6380 features an integrated GPS module, 32 channel capability, three programmable buttons, emergency button, IP57 specifications for submersibility and intrinsically safe options.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Connect Plus, Linked Capacity Plus.
Features: Capable of 32 channels · 12.5/25 kHz Switchable Channel Spacing · Send quick text messages via programmable button · Analog and/or Digital Channel Scan · 3 Programmable Side Buttons · Submersible (IP57) · VOX **Specifications:** Frequency Range: VHF (136-174 MHz); UHF (403-470 MHz); 800/900MHz (806 - 941 MHz) · Power: VHF (1-5 Watts); UHF (1-4 Watts); 800/900MHz (1-2.5 Watts) · 8 – 13 Hour Battery Life (based on 5/5/90 duty cycle) · Mil Spec 810 C, D, E, & F · Dimensions H x W x L (with standard battery) - 3.74" x 2.50" x 1.39" · Weight (with standard battery) – 11.3 oz. · Standard Warranty: 2 Years

XPR™ 6550 / XPR 6580 | YOU'RE EMPOWERED WITH DIGITAL

Combining the best of two-way radio with digital technology, the MOTOTRBO XPR 6550/6580 digital portable radio delivers increased capacity, exceptional voice quality, extended battery performance and integrated data communication via the industry's largest third-party application developer program. MOTOTRBO is built to the globally recognized ETSI DMR Tier 2 standard.

Available in VHF, UHF and 800 / 900 MHz frequency bands, the XPR 6550/6580 features an integrated GPS module, full keypad with display, up to 1,000 channel capability, five programmable buttons, emergency button, IP57 specifications for submersibility and intrinsically safe options.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Connect Plus, LTR/PassPort, Linked Capacity Plus.
Features: Capable of 160 channels · 12.5/25 kHz Switchable Channel Spacing · Send quick text messages via programmable button · Analog and/or Digital Channel Scan · 3 Programmable Side Buttons · Submersible (IP57) · VOX **Specifications:** Frequency Range: VHF (136-174 MHz); UHF (403-470 MHz); 800/900MHz (806 - 941 MHz) · Power: VHF (1-5 Watts); UHF (1-4 Watts); 800/900MHz (1-2.5 Watts) · 8 – 13 Hour Battery Life (based on 5/5/90 duty cycle) · Mil Spec 810 C, D, E, & F · Dimensions H x W x L (with standard battery) - 5.18" x 2.50" x 1.39" · Weight (with standard battery) – 11.3 oz. · Standard Warranty: 2 Years

MOTOTRBO PORTABLE RADIOS

PROFESSIONAL ENHANCED
VOICE | SYSTEMS | DATA | ENHANCED APPS

XPR™ 7350 | INTEGRATED DATA: YOUR VOICE JUST GOT A LOT STRONGER

From the factory worker making components to the road crew making repairs, MOTOTRBO can transform your enterprise and make employee interactions smarter and safer. Our best-in-class audio and unrivaled data capabilities empower people like never before.

The XPR 7350 portable delivers unrivaled voice and data communications with integrated Bluetooth audio and data, and integrated GPS, and best-in-class audio that includes Intelligent Audio and customizable voice announcement feature. Available in UHF and VHF frequency bands, the XPR 7350 features support for up to 32 channels, three programmable buttons, emergency button, IP57 specifications for submersibility and FM intrinsically safe option.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus.
Features: Capable of 32 channels · Integrated GPS · Integrated Bluetooth® · 6.25/12.5/25 kHz Switchable Channel Spacing · Voice operated transmit (VOX) · Scan types: Normal, Priority, Dual Priority · MDC (Encode/Decode), Quik-Call II (Encode/Decode), DTMF Encode **Specifications:** Frequency Range: VHF (136 - 174 MHz), UHF (403 - 512 MHz) · Power: 5 Watts (VHF) / 4 Watts (UHF) · Dimensions H x W x D – 5.13" x 2.17" x 1.62" · Weight – 11.39 oz. · IP55 for water protection and U.S. Military 810 C, D, E, F and G · Intrinsically Safe · Standard Warranty: 2 Years

XPR™ 7550 | INTEGRATED DATA: YOUR VOICE JUST GOT A LOT STRONGER

From the factory worker making components to the road crew making repairs, MOTOTRBO can transform your enterprise and make employee interactions smarter and safer. Our best-in-class audio and unrivaled data capabilities empower people like never before.

Versatile and powerful, MOTOTRBO combines the best of two-way radio functionality with the latest digital technology. XPR 7000 Series radios integrate voice and data seamlessly, offer enhanced features that are easy to use, and deliver business-critical advantages like integrated Bluetooth® and Intelligent Audio. The XPR 7000 Series can remaster your workplace and the way people collaborate to help you achieve even greater efficiency.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus, LTR/PassPort.
Features: Capable of 1000 channels · Integrated GPS · Integrated Bluetooth® · Text Messaging · 6.25/12.5/25 kHz Switchable Channel Spacing · Voice operated transmit (VOX) · Scan types: Normal, Priority, Dual Priority · MDC (Encode/Decode), Quik-Call II (Encode/Decode), DTMF Encode **Specifications:** Frequency Range: VHF (136 - 174 MHz), UHF (403 - 512 MHz) · Power: 5 Watts (VHF) / 4 Watts (UHF) · Dimensions H x W x D – 5.13" x 2.17" x 1.62" · Weight – 12.54 oz. · IP55 for water protection and U.S. Military 810 C, D, E, F and G · Intrinsically Safe · Standard Warranty: 2 Years

SL 7550 | YOU'RE SLEEKER AND SMARTER WITH DIGITAL

Discreet Was Never So Sleek! So incredibly thin and light, the SL 7550 is the ultimate in discreet communications. Weighing as little as your average smartphone, its slim design and forward-thinking features such as Intelligent Audio, integrated Bluetooth and covert mode enhance your level of professionalism and discretion so you can provide superior customer service and faster response times. Integrated Bluetooth audio allows users to connect Bluetooth audio accessories without an external adaptor.

Systems Supported: Digital Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus.
Features: Capable of 1000 channels · 12.5/25 kHz Switchable Channel Spacing · IP Site Connect · Capacity Plus · Large, high-definition, five-line, color display · Four-way navigation disc for easy scrolling through menus and channels · Weighs less than half of a standard two-way radio · Programmable buttons · Durable loudspeaker **Specifications:** Frequency Range: UHF (403 - 470 MHz) · Power: 2Watts · Mil Spec 810 C, 810 D, 810 E, 810 F, 810 G · Dimensions H x W x D – 5.13" x 2.17" x 1.62" · Weight – 12.54 oz. · Standard Warranty: 2 Years

KEEP CREWS WELL-CONNECTED WITH MOTOTRBO MOBILES

COMMERCIAL
VOICE

CM200d™ | YOU'RE SIMPLY MORE EFFICIENT

The CM200d mobile radio is ideal for keeping your people reliably and cost-effectively connected so they can communicate, coordinate and collaborate – whether they're delivering packages or transporting passengers. With easy-to-use ergonomics and crisp, clear audio, now your teams can work more efficiently. The CM Series is designed for the everyday driver, so you can connect without distraction. Unlike mobile phones, MOTOTRBO radios are not restricted by the U.S. Department of Transportation – they can be used by commercial motor vehicle (CMV) drivers while they are operating their vehicles.

Systems Supported: Analog Conventional, Digital Conventional (Digital models).
Features: Operates on 16 channels · Powerful loudspeaker · Bright LED indicators and display · Analog Features: (Auto/Priority/Dual Priority Scan, VOX, Single Priority Scan, MDC1200 PTT ID, Quik Call II), Digital Features: (Basic Privacy, Radio Check, Dual Priority Scan, Transmit Interrupt) **Specifications:** Frequency Range: VHF (136 -174MHz) · Power: 25 Watts VHF · Dimensions H x W x D – 1.73" x 6.67" x 4.64" · Weight - 2.9 lbs. · Mil Spec - 810 E · Warranty: 2 Years

CM300d™ | YOU'RE SIMPLY MORE EFFICIENT

The CM200d mobile radio is ideal for keeping your people reliably and cost-effectively connected so they can communicate, coordinate and collaborate – whether they're delivering packages or transporting passengers. With easy-to-use ergonomics and crisp, clear audio, now your teams can work more efficiently. The CM Series is designed for the everyday driver, so you can connect without distraction. Unlike mobile phones, MOTOTRBO radios are not restricted by the U.S. Department of Transportation – they can be used by commercial motor vehicle (CMV) drivers while they are operating their vehicles.

Systems Supported: Analog Conventional, Digital Conventional (Digital models).
Features: Operates on 16 channels · Powerful loudspeaker · Bright LED indicators and display · Analog Features: (Auto/Priority/Dual Priority Scan, VOX, Single Priority Scan, MDC1200 PTT ID, Quik Call II), Digital Features: (Basic Privacy, Radio Check, Dual Priority Scan, Transmit Interrupt) **Specifications:** Frequency Range: VHF (136 -174MHz) · Power: 25 Watts VHF · Dimensions H x W x D – 1.73" x 6.67" x 4.64" · Weight - 2.9 lbs. · Mil Spec - 810 E · Warranty: 2 Years

ENTRY PROFESSIONAL
VOICE | BASIC SYSTEMS

XPR™ 2500 | YOU'RE SIMPLY MORE EFFICIENT

The power of digital communications is now within reach. The MOTOTRBO XPR 2500 mobile radio is compact and capable so workers can stay connected, whether they are picking up cargo or transporting passengers. As part of the MOTOTRBO family of radios, the XPR 2500 delivers the best in digital radio technology, with features like integrated voice systems capability, twice the calling capacity and clearer voice communications. With its Intelligent Audio feature, drivers don't need to adjust their radio volume to avoid missing a call, as the radio monitors background noise and automatically adjusts itself.

For those operating on analog, the XPR 2500 lets you upgrade to digital at your own pace and budget, with simple scalability to add functions and features. This radio is also compatible with MOTOTRBO business-essential features, such as transmit-interrupt to prioritize critical communication. For affordable digital voice systems capability, the MOTOTRBO XPR 2500 gets the job done with clarity and ease.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus.
Features: Operates on 128 channels · Powerful loudspeaker · Bright LED indicators, Monochrome Alphanumeric display · Basic Privacy · Voice Announcement · Transmit Interrupt (Decode) **Specifications:** Frequency Range: VHF (136 -174MHz) UHF (403 -470MHz) · Power: 1 - 25 Watts / 25-45 Watts VHF, 1 - 25 Watts / 25-40 Watts UHF · Dimensions H x W x D – 1.7" x 6.7" x 5.3" · Weight - 2.9 lbs. · Mil Spec - 810 E · Warranty: 2 Years

MOTOTRBO MOBILE RADIOS

PROFESSIONAL CORE
VOICE | SYSTEMS | DATA | BASIC APPS

XPR™ 4350 / XPR 4380 | YOU'RE EMPOWERED WITH DIGITAL

Combining the best of two-way radio with digital technology, the MOTOTRBO XPR 4350/4380 digital mobile radio delivers increased capacity, exceptional voice quality and integrated data communication via the industry's largest third-party application developer program. MOTOTRBO is built to the globally recognized ETSI DMR Tier 2 standard.

Available in VHF, UHF and 800 / 900 MHz frequency bands, the XPR 4350/4380 features an integrated GPS module, numeric display, two programmable buttons, large volume knob for ease of use and a powerful, front-projecting speaker.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Connect Plus, Linked Capacity Plus.
Features: Capable of 32 channels · 12.5/25 kHz Switchable Channel Spacing · IP Site Connect · Versatile audio options · flexible menu-driven interface · Bright display · Compact, ergonomic design · Programmable buttons · Durable loudspeaker **Specifications:** Frequency Range: VHF (136 - 174 MHz) UHF (403 - 470 MHz); 800/900MHz (806 - 941 MHz) · Power: 1-25W, 25-45W (VHF); 1- 25 Watts, 25 - 40 Watts (UHF); 10 - 35 Watts (800MHz); 10 - 30 Watts (900 MHz) · Mil Spec 810 E & F · Dimensions H x W x D - 2.01" x 6.89" x 8.11" · Weight - 4 lbs. · Standard Warranty: 2 Years

XPR™ 4550 / XPR 4580 | YOU'RE EMPOWERED WITH DIGITAL

Combining the best of two-way radio with digital technology, the MOTOTRBO XPR 4550/4580 digital mobile radio delivers increased capacity, exceptional voice quality and integrated data communication via the industry's largest third-party application developer program. MOTOTRBO is built to the globally recognized ETSI DMR Tier 2 standard.

Available in VHF, UHF and 800 / 900 MHz frequency bands, the XPR 4550/4580 features an integrated GPS module, alpha-numeric display, up to 1,000 channel capability, four programmable buttons, large volume knob for ease of use and a powerful, front-projecting speaker.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Connect Plus, LTR/PassPort, Linked Capacity Plus.
Features: Capable of 160 channels · 12.5/25 kHz Switchable Channel Spacing · IP Site Connect · Versatile audio options · flexible menu-driven interface · Bright display · Compact, ergonomic design · Programmable buttons · Durable loudspeaker **Specifications:** Frequency Range: VHF (136-174 MHz); UHF (403-470 MHz); 800/900MHz (806 - 941 MHz) · Power: 1 – 25 Watts, 25 - 45 Watts (VHF); 1- 25 Watts, 25 - 40 Watts (UHF); 10 - 35 Watts (800MHz); 10 - 30 Watts (900 MHz) · Mil Spec 810 E & F · Dimensions H x W x D - 2.01" x 6.89" x 8.11" · Weight - 4 lbs. · Standard Warranty: 2 Years

PROFESSIONAL ENHANCED
VOICE | SYSTEMS | DATA | ENHANCED APPS

XPR™ 5350 | INTEGRATED DATA: YOUR VOICE JUST GOT A LOT STRONGER

From the delivery driver crisscrossing the city to the sanitation crew clearing streets, your employees work smarter and safer with the MOTOTRBO XPR 5350 mobile two-way radio. This fully-featured mobile transforms your enterprise, delivering unrivaled voice and data communications with integrated Bluetooth audio and data and integrated GPS. You also get best-in-class audio that includes Intelligent Audio and customizable voice announcement feature.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus.
Features: Capable of 32 channels · 12.5/25 kHz Switchable Channel Spacing · Bluetooth Audio and Data · IP Site Connect · Capacity Plus · Versatile audio options · flexible menu-driven interface · Bright display · Compact, ergonomic design · Programmable buttons · Durable loudspeaker **Specifications:** Frequency Range: UHF (403 - 470 MHz); · Power: 1-25 Watts, 25-45 Watts · Mil Spec 810 C, 810 D, 810 E, 810 F, 810 G · Dimensions H x W x D - 2.1" x 6.9" x 8.1" · Weight – 3.9lbs. · Standard Warranty: 2 Years

XPR™ 5550 | INTEGRATED DATA: YOUR VOICE JUST GOT A LOT STRONGER

This fully-featured mobile transforms your enterprise, delivering unrivaled voice and data communications with integrated Bluetooth audio and data, integrated GPS, text messaging and a full 4-line color display with day/night mode to make reading work order tickets and text messages easier. You also get best-in-class audio that includes Intelligent Audio and a customizable voice announcement feature.

Available in VHF, UHF and 800 / 900 MHz frequency bands, the XPR 5550 features an integrated GPS module, alpha-numeric display, up to 1,000 channel capability, four programmable buttons, large volume knob for ease of use and a powerful, front-projecting speaker.

Systems Supported: Analog Conventional, Digital Conventional, IP Site Connect, Capacity Plus, LTR/PassPort, Linked Capacity Plus.
Features: Capable of 1,000 channels · 12.5/25 kHz Switchable Channel Spacing · Bluetooth Audio and Data · IP Site Connect · Capacity Plus · Versatile audio options · flexible menu-driven interface · Bright display · Compact, ergonomic design · Programmable buttons · Durable loudspeaker **Specifications:** Frequency Range: UHF (403 - 470 MHz); · Power: 1-25 Watts, 25-45 Watts · Mil Spec 810 C, 810 D, 810 E, 810 F, 810 G · Dimensions H x W x D - 2.1" x 6.9" x 8.1" · Weight – 3.9lbs. · Standard Warranty: 2 Years

MOTOTRBO REPEATERS

STAY IN CONTINUOUS CONTACT WITH MOTOTRBO REPEATERS

MOTOTRBO™ DIGITAL TWO-WAY RADIO REPEATERS

IMPROVE TWO-WAY RADIO COMMUNICATION COVERAGE AND ELIMINATE DEAD SPOTS WITH INFRASTRUCTURE DESIGNED WITH PRODUCTIVITY IN MIND.

Make technology more productive and personal. You asked for a forward-thinking way to connect your people to their work, wherever they go. An innovative business tool that increases their efficiency while lowering your costs. Versatile and powerful, MOTOTRBO combines the best of two-way radio functionality with the latest digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers increased capacity to meet your communication needs from the field to the factory floor. With exceptional voice quality and long battery life, MOTOTRBO keeps your work teams connected when communication is a must.

- Added functionality
- Expanded capacity and coverage
- Migrate at your own pace
- Reliable durability

XPR ™ 8400 / XPR 8380

Maximize the performance of your MOTOTRBO system with the XPR 8400 / XPR 8380 repeaters. Available in UHF, VHF and 800 / 900 MHz frequency bands, the XPR 8400 / XPR 8380 utilize dynamic mixed mode capability to ease migration by automatically switching between analog and digital mode. XPR 8400 / XPR 8380 support two simultaneous voice or data paths in digital mode, doubling capacity without additional equipment.

Features: 1 channel · 12.5/25 kHz Switchable Channel Spacing · 100% continuous duty at 40W/UHF, 45W/VHF, 35W/800 MHz, and 30W/900 MHz · Integrated power supply with connector for optional external DC battery backup · Connect Plus · Capacity Plus · IP Site Connect · Reliable Performance · TDMA Digital Technology · Easy Installation · Transmit Interrupt · Dynamic Mixed Mode · Repeater Diagnostics and Control · IP Repeater Programming · Digital Telephone Interconnect · SCADA Solutions **Specifications:** Frequency Range: VHF (136-174) MHz; UHF Band I (403 - 470 MHz); UHF Band II (450 - 512 MHz); and 800/900MHz (806 - 941 MHz)· Power: VHF (Low Power: 1-25 Watts, High Power: 25-45 Watts); UHF Band I (Low Power: 1-25 Watts, High Power: 25-40 Watts); UHF Band II (High Power: 1-40 Watts); 800MHz (10-35 Watts); 900MHz (10-30 Watts) · Dimensions H x W x L - 5.22" x 19" x 11.67" · Weight – 31 lbs.

MTR 3000™

Available in UHF, VHF and 800/900 MHz frequency bands, MTR3000 is 100-watt, continuous duty base station/repeater that operates in digital mode in MOTOTRBO Conventional, IP Site Connect, Capacity Plus and Connect Plus systems. In addition, the MTR3000 can also operate in analog mode for conventional and LTR® /PassPort™ trunking systems.

Features: 16 channels · 12.5/25 kHz Switchable Channel Spacing (6.25e compliant) · 100% continuous duty cycle (Integrated 100W Power Amp) · 2 Supports two simultaneous voice or data paths in digital TDMA mode with 16 channels* · Integrated AC /DC power supply · Operates in analog or digital mode ·LED's clearly indicate transmit and receive modes and overall station status · Rack-or-cabinet mountable · Front access speaker port for serviceability ease · Front access microphone port for routine service ·Standard USB port for station configuration **Specifications:** Frequency Range: VHF (136-174) MHz; UHF Band I (403 - 470 MHz); UHF Band II (470 - 524 MHz); and 800/900MHz (806 - 825 MHz / 896 - 902 MHz)· Power: VHF, UHF, 800/900MHz, (8-100 Watts) · Dimensions H x W x L - 5.25" x 19" x 16.5" · Weight – 40 lbs.

HEAR CLEARER AND WORK SMARTER WITH MOTOTRBO ACCESSORIES

Simple, clear voice communication is a "must have" for your operation. We understand – that's why analog or digital, our MOTOTRBO™ portfolio is renowned for clearly better connections and workforce collaborations.

We realize that to help you excel in your job, you need accessories that match the performance of your MOTOTRBO radio – that truly fit your work environment. When you use our accessories with your mobile radio, you are simply more efficient.

That's why it's important to use Motorola Original® accessories with MOTOTRBO radios. They're the only ones designed, built and tested with your radio to optimize its performance.

Only Motorola accessories unleash the full power of MOTOTRBO – the most advanced digital radio platform in the industry. So as you deliver packages, dispatch trucks and coordinate shipments, you can work more easily and efficiently with our comfortable, convenient and practical accessories.

Combine our best-in-class radios with Motorola Original® accessories to achieve even greater efficiency and cost-savings. **Together, you'll rethink what's an accessory – and what's a necessity.**

Radio Accessories Extend Performance
Whether you're working in harsh conditions, noisy environments, long shifts or looking for discreet communication, MOTOTRBO accessories and batteries stand up to the task and stand out in the field. Time after time, in lab test after test, they outperform leading brands. Our complete portfolio, including wireless Bluetooth earpieces and industry-exclusive IMPRES technology, is designed to perform optimally with our MOTOTRBO radios.

IMPRES Maximizes Battery Life
For the utility crew working overtime to restore power, the job stops when the radio stops operating. IMPRES chargers evaluate battery usage and determine the best time to recondition it, ensuring you get the most out of every battery. IMPRES batteries can also be left in IMPRES chargers for extended periods without heat damage from the charger, so your batteries are ready to go when you need them.

Exceptionally Clear Audio with IMPRES Accessories
IMPRES audio accessories communicate with the radio to help suppress ambient noise, improve voice intelligibility and amplify loudness – even in noisy situations and harsh weather. So if you're a security officer with an IMPRES remote speaker microphone or a hospitality manager wearing an earpiece, you can carry on a conversation with clarity, simplicity and certainty.

Experience More Freedom with Bluetooth
Bluetooth accessories make communications even more convenient, giving you freedom to take your radio off your belt or move around your truck (within 30 feet) and still stay connected. Drivers can check on packages in the back of the truck or hotel receptionists can leave the radio on the counter, yet still send and receive critical radio communications.

Quick-Release Accessory Connector
The XPR 3000 Series features a uniquely designed connector so accessories can be quickly and easily attached and detached with one hand, and an innovative new locking feature connects the accessory without any tools required.

MOTOTRBO™ BLUETOOTH® AUDIO & DATA

Every day, you rely on your radio. It's your communications lifeline. It keeps you productive, connected and safe. With integrated Bluetooth, it can change the way you work, no matter where that work takes you.

Keeping Students Safe
Armed with a wireless Bluetooth RFID scanner, school administrators efficiently identify students boarding buses for a field trip by scanning the RFID tag on their IDs. The data is seamlessly sent back to the main office computer via their Bluetooth-enabled digital portable radios, compiling a real-time attendance list so the school and bus company can track those students – and ensure their safety – until they return to school.

MOTOTRBO PARTS AND ACCESSORIES

Delighting Hotel Guests
As the head of hotel guest services, your job is to delight guests, a job made easier with a MOTOTRBO SL Series portable radio with integrated Bluetooth technology and a Motorola Operations-Critical Bluetooth wireless earpiece.
Leaving the radio on your desk, you can walk up to 30 feet away, push a button on your earpiece and instantly get a status update from employees in the ballroom setting up for today's event. No wires. You're free to move comfortably throughout the day, connecting with staff discreetly and efficiently.

Restoring Power
Your utility repair crew braves a severe thunderstorm to reconnect a power line downed by a tree. Their status reports sent through their Bluetooth earpiece while suspended high above the road still can be heard clearly, despite the driving rain and howling wind. No wires or hands required.

Bluetooth technology has transformed the way we communicate and transfer information in both familiar and new ways – via our mobile devices and computers, cars and wireless earpieces and accessories. For business-critical operations, integrating Bluetooth data and audio capabilities into a two-way radio creates a perfect match of advanced technology, customer insights and engineering. When paired with our new MOTOTRBO digital radios, it allows you to cost-effectively track remote assets and extend your business reach – all while saving time, money and resources. Integrated Bluetooth audio and data make hands-free, intelligent wireless communications possible in industries from manufacturing to hospitality
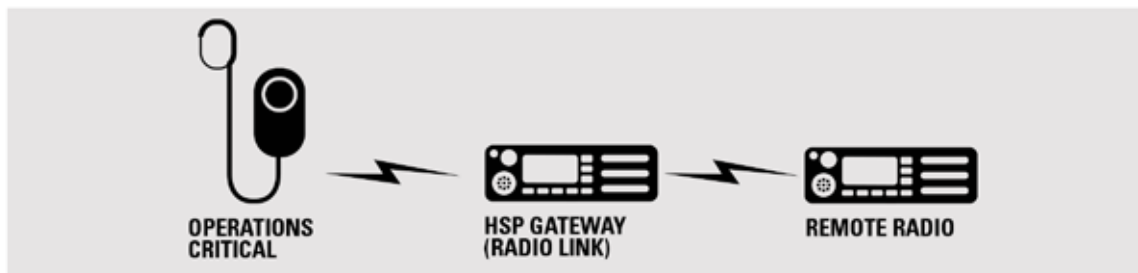
HOW IT WORKS

Bluetooth technology relies on short-range radio frequencies to deliver wireless, hands-free connectivity. When integrated into a single device, it eliminates the cost and need for an external dongle. Our solutions support an open standard, including the latest Bluetooth protocol*. This makes it easy to deploy off-the-shelf Bluetooth devices.

The latest MOTOTRBO SL Series portables, XPR 7000 Series portables and XPR 5000 Series mobiles support four unique Bluetooth profiles:
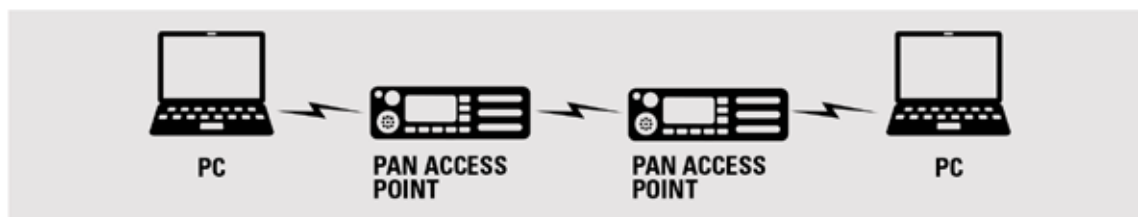
HEADSET PROFILE (HSP)
The most common profile allows a Commercial-Off-The-Shelf (COTS) headset or one of Motorola's Operations-Critical Wireless earpieces to wirelessly connect to the radio, acting as the device's audio input and output mechanism. In the scenario below, a PTT press of the Bluetooth Operations-Critical Wireless Earpiece sends audio to the Bluetooth-connected radio over the radio link to a remote mobile radio.

PERSONAL AREA NETWORK (PAN) PROFILE
Supporting a PAN access point, MOTOTRBO provides IPv4-based networking capabilities for connected Bluetooth devices (e.g. PC). In the scenario below, the MOTOTRBO radios deliver standard IP networking data communication over the Bluetooth PAN connection between two PCs.

MOTOROLA RADIO ACCESSORIES
THE POWER OF YOUR RADIO UNLEASHED

IMPRES™ BATTERIES AND CHARGERS
Get rid of the guesswork and get more from every battery. Get the most out of every battery and eliminate the surprise of "low battery alerts." IMPRES chargers tell you exactly how much capacity is in an IMPRES battery before you attach it to your radio and exactly when an IMPRES battery has reached the end of service life.

Enjoy 43% longer battery life from IMPRES over non-IMPRES batteries – without spending maintenance or record keeping time and effort. With IMPRES Battery Fleet Management Software, you can check the status of 25 or 25,000 batteries at a glance, from one computer.

IMPRES™ AUDIO
Make sure every word is heard regardless of the level or direction you're speaking into the accessory. Be clearly heard the first time and eliminate repeating yourself. Whether you need to talk loudly or quietly, into or away from the accessory, IMPRES Audio lowers the loud talker level and raises the soft talker level automatically so listeners do not have to adjust the volume depending on who is talking.

Policing a busy airport, fixing equipment on a noisy production floor or assisting guests in a quiet hotel, IMPRES Audio promises a high quality communication experience.

WINDPORTING
Communicate clearly in difficult weather. Wherever you work – in howling wind, driving rain, or severe weather – Windporting helps you communicate effectively and listeners hear clearly.

Windporting technology eliminates the whining and howling sounds of wind blowing across your lapel/remote speaker microphone. It also prevents water from clogging the microphone for clearer transmissions.
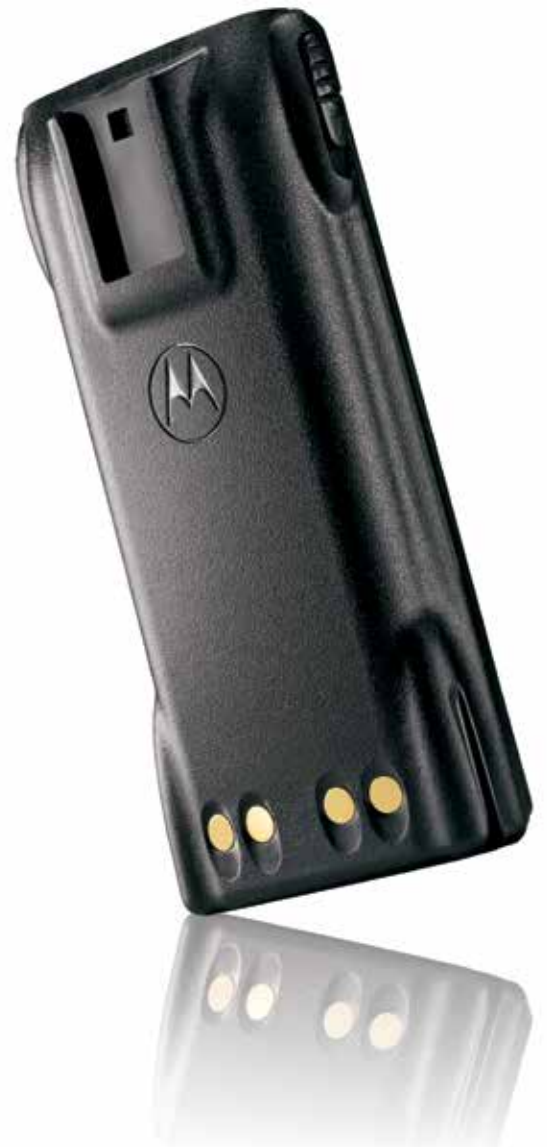
INTELLIGENT AUDIO
Focus on your job instead of your radio volume. Make adjusting your radio volume based on background noise a thing of the past. Intelligent Audio listens to sounds in the background and automatically raises or lowers your radio volume so you can always hear. If you're heading from a noisy area to a quiet place, you won't disturb others because you forgot to adjust the volume.

Intelligent Audio when complemented with IMPRES Audio takes your communications to a new level.

OPERATIONS-CRITICAL WIRELESS
Work with your radio like never before. Place your radio on a desk or cart, in a purse, medical bag or backpack and converse seamlessly with your wireless earpiece up to 30 feet away from your radio. Put your wireless PTT where you want to – on a clipboard, steering wheel or coat pocket – without wires getting in the way. Motorola Bluetooth-enabled radios allow both an Operations Critical Wireless PTT and audio accessory to be connected and used at the same time. And Operations Critical Wireless accessories last up to 10 hours – up to 3 times the battery life of commercial Bluetooth® headsets.

PORTABLE RADIO PARTS
AND ACCESSORIES

HEADSETS
Essential for secure environments ...

Lightweight Headsets
Lightweight headsets provide high-clarity, hands-free, discreet two-way communication, while maintaining the comfort necessary for extended-wear in moderate noise environments.

Medium-Weight Headsets
Medium-weight headsets offer high-clarity sound, with the additional hearing protection necessary to provide consistent, clear, two-way radio communication in harsh, noisy environments or situations.

Heavy-Duty Headsets
Heavy-duty headsets include noise-canceling boom microphones and can be worn with or without a hard hat. The Push-to-Talk switch is located on the earcup.

EARPIECES
Essential communication ...

D-Style Earpiece
In responding to today's image-conscious users, Motorola introduced the D-style earset. D-style earsets are designed to ensure comfort of use while providing an elegant, sleek appearance. Constructed with Motorola's quality and reliability standards.

Earbud with Clip Microphone and Push-to-Talk
For convenience and uninterrupted productivity. Push-to-talk button activates microphone when user is ready to speak.

SURVEILLANCE KITS
Discreet communication ...

Surveillance accessories allow the user to receive messages privately through the earpiece – ideal when discreet communication is required.

Quick Disconnect Noise Kits
Noise kits provide extra comfort and/or noise protection when wearing surveillance accessories. Lightweight, translucent tube attaches to the surveillance kit and includes a quick disconnect adapter, which allows you to easily remove or alternate acoustic tubes. Clothing clip prevents accessory from being pulled from the ear due to body movements.

REMOTE SPEAKER MICROPHONES

The most popular accessory in Motorola Audio line
Motorola's Remote Speaker Microphones (RSMs) are a vital two-way radio accessory solution for users who need to talk and listen without removing the radio from their belt or carry case. RSMs give users flexible solutions and the confidence of clear, understandable communication even in the most adverse conditions.

Windporting Remote Speaker Microphones
The windporting feature dramatically lessens background noise caused by high winds and other severe weather conditions. Audio can pass through the speaker grille even when the microphone port is blocked by water, ensuring a user's confidence of clear communications. These sturdy microphones are the must-have communication audio accessories for those working at the job site or in the field.

BATTERIES

Motorola Original Batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance.

Motorola batteries are available in various chemistry and capacity alternatives, allowing the user to select the ideal battery for his or her needs. NiCd batteries provide the maximum number of charge/discharge cycles and are best suited for temperature extremes. NiMH batteries provide more talk-time per shift and are less prone to memory effect. Li-ion batteries offer the best power-to-weight ratio of all chemistries, with no memory effect.

Only Motorola batteries are proven tough.
Because "as good as" never is. When staying productive means staying in touch, you need batteries you can depend on day in and day out. You can trust Motorola batteries to work better and last longer than ordinary replacement batteries - maximizing productivity and keeping your people in touch.

Not all batteries are alike. Motorola two-way wireless radio batteries employ the highest standards of quality and consistency, from the manufacturing floor to the rugged requirements of real-world use. As part of Motorola's manufacturing process, each two-way radio battery model must pass grueling Accelerated Life Testing (ALT) that includes a rain test (steady rainfall and wind for 30 minutes on every surface), a salt fog test (exposure to an atomized salt solution for 48 hours), a dust test (six hours of dust blowing on all surfaces), a vibration test (up to nine hours of exposure to vibration) and a shock test (18 shocks with a minimum G force of 40 Gs apiece).

Motorola Original batteries are designed to stand up to your demanding work environment and provide reliable power that you can count on. When you see the Motorola Original logo, you know the products are built and tested to meet the toughest standards. Do tough Motorola Original Products protect your communication system from the hazards of everyday life? You can count on it.

IMPRES™ Smart Energy System
IMPRES batteries when used with an IMPRES charger provide automatic, adaptive reconditioning, end-of-life display and other advanced features. Data is stored in the battery and communicated to the charger via a unique IMPRES communication protocol that is designed to maximize talk-time and optimize battery cycle life — all automatically. Maintenance and warranty on the batteries are extended when IMPRES chargers are used.

Ready when you are.
Make sure your radios are ready for action when you are – an IMPRES battery may be left in an IMPRES Charger for extended periods without heat damage due to the charger. This makes IMPRES ideal for applications that require equipment in a "ready" state at all times.

YOUR RADIO IS ONLY AS RELIABLE AS THE BATTERY THAT POWERS IT.
MAKE SURE IT'S PROVEN TOUGH.

Have a spare battery ready for when you need it!

PORTABLE RADIO PARTS AND ACCESSORIES

CHARGERS
Essential Power ...

Rapid Rate
Tri-chemistry chargers that will charge the standard capacity batteries in less than 3 hours, ensuring your batteries will be ready to go when you need them.

Multi-Unit Charger
Allows drop-in charging for up to six radios and/or batteries from a single outlet. Also provides a central storage location for radios at the end of the day.

CARRYING ACCESSORIES

You'd be surprised how much time can be saved when a radio is always in the same place - made easy by this versatile selection of Motorola Original carrying accessories.

Leather and Nylon Carrying Cases
Motorola carrying cases were developed to meet the demands of public safety and other users who operate in the most rigorous of environments.

A variety of carrying accessories are available for comfort and convenience. The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly. Leather cases are constructed of top grain, 8 ounce leather and all stainless steel hardware.

High-activity cases have a swivel D-ring button and belt loop. To remove case from belt loop, rotate case 180 degrees and slide case upward, out of the holder. Case stays on belt more securely in high-activity applications while allowing the radio to swing freely with body movements.

Carrying Accessories
We also offer a full line of carrying accessories including: belt clips, t-straps, high-activity belt loops and carrying straps.

Chest Packs
Motorola Original universal chest pack protects the radio and provides the freedom from holding it during standby communication mode. Universal chest pack fits virtually any radio.

PORTABLE RADIO ANTENNAS
Tested and tuned for performance ...

A communication system is only as good as the mobile antennas used to transmit and receive - so whenever lives are on the line Motorola Original® accessories should be the go-to choice.

Flexible Whip Antennas
Designed with a one-piece finish and steel core for optimal radiation characteristics. The flexible design provides more comfort when the radio is worn on the belt.

Heliflex Antennas
Engineered for maximum output and greatest communication coverage.

Stubby Antennas
A shorter antenna designed to be non-obtrusive. Most comfortable solution when wearing the radio on the belt.

MOBILE RADIO PARTS AND ACCESSORIES

MOBILE MICROPHONES
Motorola Quality ... exceptional dependability

Standard Compact Microphone
Standard Compact Microphone provides basic Push-To-Talk

Heavy-Duty Microphone
Heavy-Duty Microphone is for users who want more durability, also ideal for those who need a larger microphone that is easier to handle when wearing gloves.

Enhanced Keypad Microphone
Enhanced Keypad Microphone includes a full keypad that enables you to dial phone numbers from the microphone, also has three customizable buttons that can be programmed with any of the control head features.

MOUNTING ACCESSORIES

Mobile radios are often installed on the dash of a vehicle, and run off its power source. Here are some of the accessories available for mounting your mobile into your vehicle: Low and High Profile Mounting Brackets, Key Lock Mounting Brackets, 8" Goose Neck Mounting Bracket.

SPEAKERS AND PUBLIC ADDRESS KITS

College campuses, commercial and industrial complexes, government facilities, military bases, municipal districts, local schools and even cities have a great need to be able to communicate with the public in the event of an emergency, public events or festivals. These accessories can help you get the word out, whether it's from a vehicle or from a desktop station through speakers at a fixed location.

ANTENNAS
Tested and tuned for performance ...

A communication system is only as good as the mobile antennas used to transmit and receive - so whenever lives are on the line Motorola Original accessories should be the go-to choice.

Wave Base Roof Mount Antennas
The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.

Magnetic/Roof Mount Antennas
These antennas are designed to direct the signal more to-wards the horizon, making them ideal for applications in more geographically flat regions where signal coverage is sparse and must cover a larger area.

CONTROL STATION ACCESSORIES

The control station accessories convert a Motorola mobile two-way radio into an attractive, convenient base station. Ideal for securing mobile in place in a desktop environment.

SIMPLE. EFFECTIVE. AFFORDABLE.

DIGITAL PUSH-TO-TALK VOICE AND DATA COMMUNICATIONS.
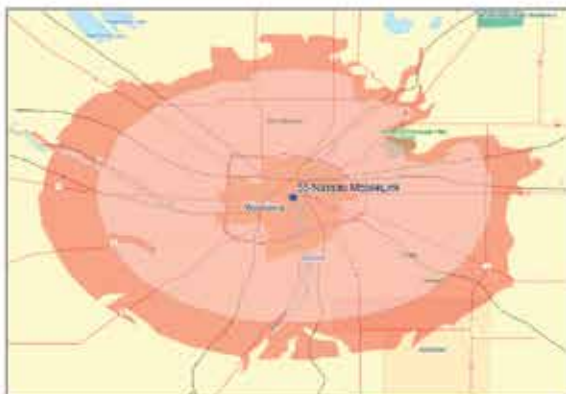
PORTABLE or MOBILE RADIO
& UNLIMITED AIRTIME

$29⁹⁰

per month*

ADD TEXT & GPS

$10⁰⁰

per month

*System Access Fee of $4.90/month will be added to monthly airtime rate.
No hardware cost on 96 month term agreement. Shorter terms available.

Map represents estimated mobile and portable coverage in Winnipeg and area.
Coverage outside Winnipeg may be affected by atmospheric conditions.

MobileLink
ALCOM RADIO SYSTEMS

Your workforce is out in the field every day, and you need to be able to connect with them no matter where their job takes them. **MobileLink™** is a city-wide digital two-way radio rental system that enables:

- Clear digital push-to-talk voice quality
- Instant dispatch communications (one-to-many)
- Private calls (one-to-one)
- Text messaging
- GPS tracking
- Emergency alarms
- Man-down alarms

The **MobileLink™** Radio System can provide you high quality and immediate communications, simply and affordably. There is no need for Industry Canada licensing or to purchase an expensive antenna tower and radio equipment.

TALK
- Local Coverage
- Unlimited Talk Time
- PTT-ID (Caller ID)
- Segment departments with talk-groups.

TEXT
- Dispatch by Text
- Text to Individual Radio or Group
- Unlimited Text Messaging
- Web Based Text Messaging Service

GPS
- Vehicle Location Tracking
- Record Daily Use of Vehicles
- Web Based Access to Maps and Reports

ALCOM ELECTRONIC COMMUNICATIONS

204-237-9099
www.alcom.ca

MOTOROLA SOLUTIONS
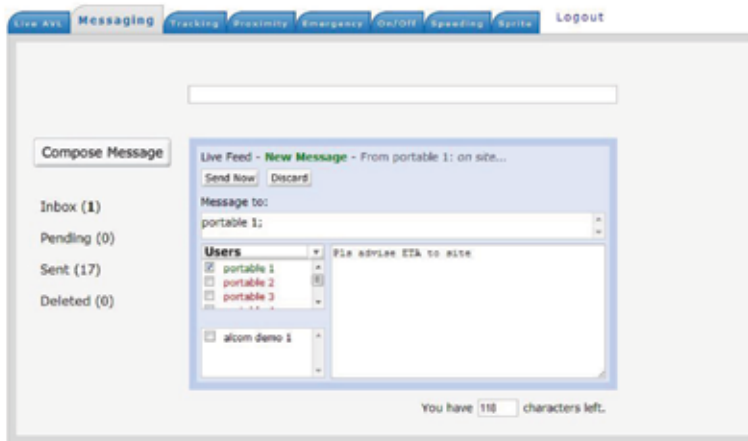**RADIO SOLUTIONS**
CHANNEL PARTNER

IMPROVE SAFETY & PRODUCTIVITY
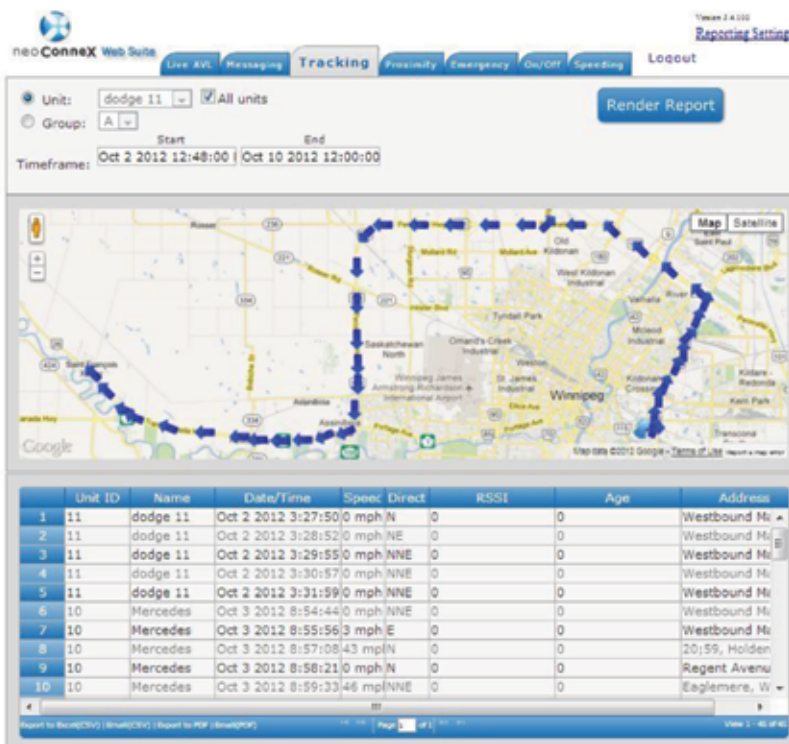
GPS TRACKING & TEXT MESSAGING SOLUTIONS

MobileLink™ is a city-wide digital two-way radio rental system that enables GPS tracking and Text Messaging. With these tools you can improve service delivery and productivity while increasing the safety of your staff.

TEXT MESSAGING
- Dispatch by Text
- Text to Individual Radio or Group
- Unlimited Text Messaging
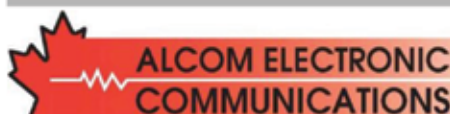- Free-form & Pre-canned Texts from Radios.
- Web Based – Easy to Use

With text messaging built into your **MobileLink™** radios you can send work order information to field personnel and receive status updates from them. Everything is saved in your messaging system for future reference.

GPS TRACKING
- Location Tracking
- Record Daily Activity
- Web Based Access to Maps and Reports
- Searchable Tracking History, Speeding & Proximity Reports
- Emergency Alarms with Location

Every **MobileLink™** radio has a built in GPS module. With instant web access you can see the current status of every radio in your fleet and bring up activity reports for each radio. When an emergency or man-down alarm is activated the system will display the alarm and location information so you can respond accordingly.

MobileLink
ALCOM RADIO SYSTEMS

SAVE UP TO $2200

SPEED UP RESPONSE.

STEP UP SAVINGS.

TRADE-IN OFFERS

Receive trade-in credit when you purchase 10 or more of any of the following digital MOTOTRBO radios on a single order and trade-in 10 eligible units.

OFFERS	MODELS	UNIT SAVINGS
*Save $2,200	XPR 7000 and SL 7000 Series	$220
With XPR 6000 Series Trade-In Only		
Save $1,375	XPR 7000 and SL 7000 Series	$137.50
Save $1,100	XPR 5000 Series	$110
Save $825	XPR 4000 and XPR 6000 Series (excludes XPR 6100)	$82.50
Save $358	CP200d, CM200d, CM300d XPR 2500, XPR 3000 Series	$35.80

REBATE OFFERS

Receive a rebate when you purchase 10 or more of any of the following:

OFFERS	MODELS	UNIT SAVINGS
Save $715	XPR 7000 and SL 7000 Series	$71.50
Save $550	XPR 5000	$55
Save $385	XPR 4000 and XPR 6000 Series (excludes XPR 6100)	$38.50

Receive a rebate when you purchase 6 or more of any of the following:

Save $165	CP200d, CM200d, CM300d, XPR 2500, XPR 3000 Series	$27.50

SPOTLIGHT:
XPR 6000 TRADE-IN OFFER

If you are a current XPR 6000 user now you can easily upgrade to the exceptional audio and data capabilities of the XPR 7000 or SL 7000 Series.

When you upgrade to the XPR 7000 Series, you gain access to a richer set of features like integrated Bluetooth and enhanced GPS. Another upgrade option is the SL 7000 Series, offering forward-looking features in an incredibly thin, light design.

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